Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/01/2014 11:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/31/2014 10:52 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124175	-1	1.42	124000	1.16
Blue	F	SSC	125000	122004	-3	3.12	121916	2.48
Blue	E	FITC	18287	17833	-3	1.75	809	8.11
Blue	D	PE	25829	25548	-2	1.42	951	7.29
Blue	B	PerCP-Cy5-5	46664	45766	-2	2.63	1562	12.24
Blue	A	PE-Cy7	45313	44014	-3	4.56	955	22.58
Red	C	APC	50625	49555	-3	2.21	2894	8.34
Red	A	APC-Cy7	50689	50200	-1	2.67	1585	8.61
Violet	B	V450	13569	13310	-2	1.69	802	6.39
Violet	A	V500	56861	55797	-2	1.47	2703	4.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20429	3.36	565	6	N/A	N/A	Pass
Blue	F	SSC	59603	1.39	473	1	N/A	N/A	Pass
Blue	E	FITC	99	33.78	496	0	0.0370	496	Pass
Blue	D	PE	212	21.18	495	1	0.2914	217	Pass
Blue	B	PerCP-Cy5-5	215	34.01	572	0	0.0153	57	Pass
Blue	A	PE-Cy7	84	79.66	632	-1	0.0216	17	Pass
Red	C	APC	331	24.12	564	-1	0.0264	79	Pass
Red	A	APC-Cy7	136	31.60	546	0	0.0069	1235	Pass
Violet	B	V450	85	41.01	442	0	0.0766	4084	Pass
Violet	A	V500	187	23.75	476	0	0.0226	2501	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.79	-31.43	0.91
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.27
Red	17.60	13.07 - 19.61	N/A	N/A	31.61	32.17	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9522

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments